

ABSTRACT OF THE DISCLOSURE**METHOD AND APPARATUS TO AUTONOMICALLY PROFILE
APPLICATIONS**

A method, apparatus, and computer instructions for profiling an application in data processing system. The execution of an instruction associated with an indicator is detected. The instruction is located in a routine. A determination is made as to whether the instruction has been executed more than a threshold value. If the instruction has been executed more than the threshold value, an interrupt is generated to pass control to a monitoring program in which the monitoring program identifies information regarding a caller of a routine.